

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Science and engineering	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	77.4	76.8	77.5	78.3	79.4	79.5	78.5	79.4	79.1	78.0
Agricultural sciences	4.2	4.1	4.0	4.1	4.1	4.0	3.8	4.1	4.2	4.0
Biological sciences	20.3	21.0	21.3	21.4	21.5	22.5	22.3	23.1	22.5	22.6
Computer sciences	3.8	3.4	3.3	3.4	3.3	3.3	3.2	3.3	3.4	3.6
Earth, atmospheric, and ocean sciences	2.6	2.6	2.9	2.7	2.7	2.6	2.5	2.7	2.6	2.6
Mathematics	4.5	4.1	4.1	4.3	4.2	4.0	3.9	3.7	3.9	4.1
Physical sciences	14.5	14.1	13.8	14.0	13.8	13.1	13.3	13.1	13.1	12.8
Astronomy	0.7	0.7	0.7	0.8	0.6	0.7	0.7	0.6	0.7	0.6
Chemistry	8.1	7.9	7.9	8.1	8.2	7.7	7.8	7.8	8.1	7.6
Physics	5.6	5.5	5.1	5.1	4.9	4.6	4.7	4.6	4.3	4.5
Other physical sciences	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Psychology	12.9	12.8	13.1	13.5	14.1	13.9	13.5	13.0	13.0	12.7
Social sciences	14.6	14.7	15.1	14.9	15.7	16.0	16.0	16.3	16.4	15.7
Engineering	22.6	23.2	22.5	21.7	20.6	20.5	21.5	20.6	20.9	22.0
Aeronautical/astronautical engineering	0.9	1.1	1.0	0.9	0.8	0.8	0.8	0.9	0.8	0.8
Chemical engineering	2.7	2.9	2.8	2.8	2.6	2.8	2.9	2.9	2.6	2.8
Civil engineering	2.5	2.6	2.4	2.4	2.3	2.1	2.3	2.5	2.7	2.6
Electrical engineering	6.5	6.4	6.3	5.9	5.7	5.9	6.2	5.7	5.8	6.3
Industrial engineering	1.1	1.0	0.9	0.8	0.8	0.7	0.8	0.9	0.8	0.8
Materials/metallurgical engineering	2.2	2.1	2.1	2.1	1.8	1.7	1.9	1.6	1.9	1.9
Mechanical engineering	3.9	3.9	3.8	3.7	3.3	3.3	3.7	3.4	3.2	3.2
Other engineering	2.9	3.3	3.1	3.1	3.3	3.0	2.9	2.8	3.1	3.6
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	70.9	70.3	70.6	71.3	73.1	73.0	71.8	72.9	72.3	71.0
Agricultural sciences	4.7	4.4	4.3	4.4	4.5	4.4	3.9	4.4	4.4	3.9
Biological sciences	17.3	17.8	18.0	18.5	18.9	19.5	19.4	20.4	19.6	19.4
Computer sciences	4.5	4.2	4.1	4.3	4.1	4.3	4.1	4.1	4.4	4.6
Earth, atmospheric, and ocean sciences	3.1	3.0	3.3	3.1	3.1	2.9	2.7	3.1	2.8	2.7
Mathematics	5.1	4.8	4.7	4.9	4.8	4.8	4.5	4.2	4.6	4.7
Physical sciences	16.2	16.1	16.0	16.2	16.3	15.5	15.8	15.3	15.4	15.1
Astronomy	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.7
Chemistry	8.2	8.3	8.4	8.5	8.9	8.2	8.3	8.3	8.8	8.2
Physics	7.1	7.0	6.6	6.7	6.6	6.3	6.4	6.2	5.6	6.1
Other physical sciences	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Psychology	6.9	6.3	6.4	6.8	7.2	7.3	7.0	6.9	6.6	6.6
Social sciences	13.2	13.7	13.7	13.2	14.0	14.3	14.4	14.4	14.5	14.1
Engineering	29.1	29.7	29.4	28.7	26.9	27.0	28.2	27.1	27.7	29.0
Aeronautical/astronautical engineering	1.3	1.4	1.4	1.3	1.1	1.2	1.1	1.2	1.1	1.1
Chemical engineering	3.3	3.5	3.5	3.5	3.3	3.5	3.4	3.4	3.1	3.3
Civil engineering	3.2	3.3	3.2	3.1	3.0	2.8	3.0	3.3	3.5	3.3
Electrical engineering	8.5	8.4	8.6	8.0	7.8	8.1	8.5	8.0	8.1	8.7
Industrial engineering	1.3	1.1	1.1	1.1	1.0	0.8	1.0	1.1	1.0	1.1
Materials/metallurgical engineering	2.7	2.6	2.6	2.7	2.2	2.2	2.4	2.0	2.4	2.6
Mechanical engineering	5.3	5.2	5.1	5.2	4.5	4.6	5.3	4.7	4.6	4.6
Other engineering	3.5	4.0	3.8	3.9	4.0	3.7	3.6	3.4	3.9	4.3
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	91.6	91.0	91.6	91.7	91.3	91.1	90.0	90.3	90.5	89.7
Agricultural sciences	3.1	3.5	3.2	3.5	3.4	3.4	3.6	3.5	3.9	4.1
Biological sciences	26.8	27.9	27.9	27.1	26.4	27.9	27.3	27.8	27.4	28.0
Computer sciences	2.2	1.6	1.7	1.7	1.7	1.5	1.7	1.8	1.8	2.0
Earth, atmospheric, and ocean sciences	1.7	1.7	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.3
Mathematics	3.2	2.7	2.9	3.2	3.0	2.8	3.0	2.9	2.8	3.1
Physical sciences	10.6	9.7	9.5	9.9	9.1	8.9	9.0	9.4	9.4	8.9
Astronomy	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.4	0.5
Chemistry	8.0	7.0	6.9	7.4	7.0	6.6	6.7	7.1	6.8	6.4

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Physics	2.2	2.2	2.2	1.9	1.8	1.7	1.7	1.9	2.0	1.9
Other physical sciences	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Psychology	26.3	26.9	26.4	26.3	27.0	25.7	24.7	23.3	23.5	22.9
Social sciences	17.7	16.9	17.8	18.0	18.7	19.0	18.8	19.4	19.5	18.5
Engineering	8.4	9.0	8.4	8.3	8.7	8.9	10.0	9.7	9.5	10.3
Aeronautical/astronautical engineering	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
Chemical engineering	1.3	1.7	1.4	1.5	1.4	1.6	1.9	1.9	1.6	1.8
Civil engineering	0.9	0.9	0.9	1.1	1.0	0.9	1.2	1.3	1.3	1.3
Electrical engineering	2.1	2.0	1.7	1.7	1.7	2.1	2.2	1.8	1.9	2.3
Industrial engineering	0.6	0.6	0.4	0.4	0.5	0.4	0.5	0.7	0.6	0.4
Materials/metallurgical engineering	1.1	1.0	1.2	0.9	1.0	0.9	1.1	0.9	1.1	0.9
Mechanical engineering	0.8	0.9	1.0	1.0	1.1	1.0	1.0	1.0	0.9	1.0
Other engineering	1.4	1.7	1.7	1.6	2.0	1.8	1.8	1.8	1.8	2.4
U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	82.4	81.8	81.9	83.3	83.6	85.0	85.0	86.0	86.2	86.1
Agricultural sciences	3.5	3.4	3.4	3.2	3.2	3.3	3.1	3.2	3.6	3.6
Biological sciences	22.8	23.4	23.1	23.6	23.5	24.9	26.0	26.5	25.8	26.6
Computer sciences	3.2	2.8	2.8	3.1	2.8	2.7	2.6	2.7	2.8	2.8
Earth, atmospheric, and ocean sciences	2.8	2.7	2.9	2.8	2.6	2.6	2.4	2.7	2.7	2.7
Mathematics	4.1	3.5	3.4	3.7	3.4	3.4	3.2	2.8	3.3	3.2
Physical sciences	15.0	13.8	13.6	13.4	13.0	12.2	12.5	12.5	12.5	11.9
Astronomy	0.7	0.8	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7
Chemistry	8.5	7.8	7.8	8.0	8.0	7.3	7.5	7.9	8.0	7.5
Physics	5.6	5.1	4.8	4.5	4.2	4.0	4.1	3.8	3.5	3.6
Other physical sciences	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Psychology	16.8	17.3	17.0	17.9	18.7	18.9	18.6	18.0	18.2	17.7
Social sciences	14.3	15.0	15.6	15.6	16.3	17.0	16.7	17.6	17.3	17.5
Engineering	17.6	18.2	18.1	16.7	16.4	15.0	15.0	14.0	13.8	13.9
Aeronautical/astronautical engineering	0.8	1.0	0.9	0.8	0.6	0.7	0.6	0.6	0.5	0.5
Chemical engineering	2.0	2.1	2.2	2.0	2.1	2.2	2.2	2.2	1.9	2.0
Civil engineering	1.6	1.6	1.8	1.6	1.8	1.5	1.6	1.6	1.7	1.4
Electrical engineering	5.1	5.0	5.1	4.4	4.4	3.8	3.4	3.3	3.2	3.2
Industrial engineering	0.8	0.7	0.6	0.6	0.6	0.4	0.5	0.5	0.4	0.5
Materials/metallurgical engineering	1.9	1.8	1.7	1.7	1.5	1.4	1.4	1.1	1.3	1.3
Mechanical engineering	3.0	3.2	2.9	2.8	2.6	2.3	2.6	2.2	2.1	1.9
Other engineering	2.4	2.8	2.8	2.7	2.9	2.5	2.5	2.5	2.7	3.1
Male U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	76.6	75.5	75.3	76.6	77.2	79.2	79.1	80.5	80.5	80.7
Agricultural sciences	4.2	3.8	3.9	3.5	3.6	3.6	3.3	3.5	4.1	3.8
Biological sciences	20.4	20.7	20.5	21.6	21.5	22.9	24.1	24.9	24.0	24.7
Computer sciences	3.9	3.6	3.7	3.9	3.7	3.7	3.4	3.7	3.9	3.9
Earth, atmospheric, and ocean sciences	3.4	3.3	3.5	3.3	3.1	3.1	2.8	3.0	3.2	2.9
Mathematics	4.9	4.3	4.0	4.2	3.9	4.1	3.9	3.5	4.1	4.0
Physical sciences	17.6	16.8	16.8	16.7	16.4	15.5	16.1	15.9	15.8	15.3
Astronomy	1.0	1.0	1.2	1.1	0.9	1.0	1.0	1.0	1.1	0.9
Chemistry	9.0	8.8	8.8	9.1	9.3	8.2	8.7	9.2	9.5	9.0
Physics	7.6	7.0	6.7	6.5	6.2	6.1	6.3	5.6	4.9	5.3
Other physical sciences	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Psychology	9.3	9.0	8.9	9.6	10.1	10.5	10.4	10.4	10.1	10.1
Social sciences	12.9	14.0	14.1	13.8	14.7	15.7	15.1	15.6	15.4	16.1
Engineering	23.4	24.5	24.7	23.4	22.8	20.8	20.9	19.5	19.5	19.3
Aeronautical/astronautical engineering	1.2	1.4	1.4	1.3	1.0	1.1	0.9	0.9	0.8	0.8
Chemical engineering	2.4	2.5	2.9	2.7	2.8	2.8	2.8	2.8	2.5	2.6
Civil engineering	2.1	2.2	2.4	2.2	2.4	2.1	2.2	2.2	2.2	1.8
Electrical engineering	7.0	7.0	7.3	6.4	6.5	5.6	5.2	5.0	4.9	4.8

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Industrial engineering	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.6
Materials/metallurgical engineering	2.3	2.3	2.1	2.4	2.0	1.9	1.8	1.5	1.7	1.9
Mechanical engineering	4.3	4.5	4.2	4.2	3.8	3.4	4.1	3.4	3.3	2.9
Other engineering	3.1	3.6	3.6	3.6	3.7	3.3	3.2	3.3	3.5	3.8
Female U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	92.5	92.4	92.7	93.7	93.1	93.1	93.1	93.4	93.6	93.1
Agricultural sciences	2.3	2.7	2.5	2.8	2.6	2.7	2.8	2.7	2.9	3.3
Biological sciences	26.9	27.9	27.5	26.8	26.4	27.9	28.5	28.6	28.1	29.2
Computer sciences	2.1	1.3	1.4	1.7	1.5	1.2	1.4	1.4	1.4	1.5
Earth, atmospheric, and ocean sciences	1.7	1.7	2.1	2.1	1.8	1.9	2.0	2.4	2.1	2.4
Mathematics	2.6	2.1	2.5	2.8	2.7	2.3	2.2	2.0	2.2	2.3
Physical sciences	10.2	8.8	8.4	8.4	7.8	7.7	7.6	8.1	8.3	7.5
Astronomy	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.3	0.5	0.5
Chemistry	7.8	6.3	6.2	6.5	6.0	5.9	5.9	6.3	6.1	5.6
Physics	2.1	1.9	1.8	1.5	1.3	1.2	1.3	1.4	1.7	1.3
Other physical sciences	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Psychology	29.8	31.4	30.1	30.8	31.5	30.5	29.7	28.0	28.8	27.7
Social sciences	16.8	16.7	18.1	18.2	18.7	18.9	18.9	20.2	19.7	19.4
Engineering	7.5	7.6	7.3	6.3	6.9	6.9	6.9	6.6	6.4	6.9
Aeronautical/astronautical engineering	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.1
Chemical engineering	1.3	1.4	1.1	1.1	1.1	1.4	1.3	1.3	1.1	1.2
Civil engineering	0.8	0.7	0.8	0.8	0.9	0.7	1.0	0.9	1.0	1.0
Electrical engineering	1.7	1.5	1.5	1.3	1.1	1.3	1.0	1.0	1.0	1.0
Industrial engineering	0.5	0.5	0.4	0.3	0.4	0.3	0.4	0.5	0.3	0.3
Materials/metallurgical engineering	1.1	0.9	1.0	0.7	0.8	0.8	0.8	0.7	0.7	0.5
Mechanical engineering	0.7	0.9	0.8	0.7	0.8	0.8	0.5	0.7	0.6	0.6
Other engineering	1.2	1.4	1.5	1.3	1.7	1.5	1.6	1.5	1.7	2.1
U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	84.6	83.4	83.0	84.2	84.4	85.9	85.8	86.8	87.0	86.8
Agricultural sciences	3.6	3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.6	3.6
Biological sciences	22.6	22.7	22.8	23.1	23.0	24.9	25.9	26.5	25.9	26.9
Computer sciences	3.1	2.7	2.7	2.9	2.6	2.5	2.4	2.5	2.6	2.7
Earth, atmospheric, and ocean sciences	2.7	2.7	2.9	2.8	2.6	2.7	2.4	2.7	2.7	2.8
Mathematics	3.6	3.1	3.3	3.5	3.4	3.3	3.1	2.9	3.2	3.1
Physical sciences	13.8	13.3	13.2	13.2	12.8	12.0	12.4	12.4	12.4	11.9
Astronomy	0.8	0.9	0.9	0.8	0.7	0.8	0.8	0.7	0.9	0.8
Chemistry	8.0	7.5	7.7	7.9	7.9	7.1	7.5	7.9	8.0	7.5
Physics	4.9	4.9	4.5	4.3	4.1	4.0	4.0	3.7	3.4	3.5
Other physical sciences	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Psychology	19.9	20.0	18.8	19.6	20.2	20.1	19.6	19.0	19.1	18.5
Social sciences	15.4	15.6	16.0	15.9	16.5	17.2	16.8	17.7	17.4	17.4
Engineering	15.4	16.6	17.0	15.8	15.6	14.1	14.2	13.2	13.0	13.2
Aeronautical/astronautical engineering	0.9	1.1	1.0	0.9	0.6	0.7	0.6	0.6	0.5	0.5
Chemical engineering	1.9	2.0	2.0	2.0	2.1	2.2	2.2	2.1	1.9	2.0
Civil engineering	1.3	1.4	1.5	1.5	1.6	1.4	1.5	1.5	1.6	1.3
Electrical engineering	4.4	4.5	4.7	3.9	4.0	3.4	3.1	3.0	2.8	2.8
Industrial engineering	0.7	0.7	0.6	0.5	0.5	0.4	0.5	0.5	0.4	0.4
Materials/metallurgical engineering	1.5	1.6	1.7	1.6	1.4	1.4	1.3	1.1	1.2	1.3
Mechanical engineering	2.5	2.8	2.8	2.7	2.5	2.2	2.6	2.0	2.0	1.8
Other engineering	2.2	2.6	2.7	2.7	2.8	2.4	2.5	2.5	2.7	3.0
Male U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	79.0	77.3	76.5	77.5	78.2	80.2	80.0	81.3	81.6	81.6
Agricultural sciences	4.4	3.8	3.8	3.4	3.6	3.6	3.3	3.6	4.2	3.9
Biological sciences	20.9	20.5	20.5	21.3	21.3	23.1	24.3	25.3	24.4	25.0
Computer sciences	3.8	3.6	3.5	3.8	3.5	3.5	3.3	3.4	3.7	3.7

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Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Earth, atmospheric, and ocean sciences	3.4	3.3	3.5	3.4	3.2	3.2	2.8	3.0	3.2	3.0
Mathematics	4.4	4.0	3.9	4.2	4.0	4.1	3.8	3.5	4.1	3.9
Physical sciences	16.9	16.8	16.8	16.7	16.6	15.5	16.0	15.8	15.9	15.5
Astronomy	1.0	1.1	1.3	1.1	0.9	1.0	1.1	1.0	1.2	1.0
Chemistry	8.6	8.7	8.9	9.2	9.5	8.2	8.8	9.2	9.7	9.2
Physics	7.0	6.9	6.5	6.3	6.1	6.1	6.1	5.5	4.8	5.3
Other physical sciences	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Psychology	11.4	10.7	10.0	10.5	11.0	11.3	11.0	10.9	10.5	10.5
Social sciences	13.9	14.6	14.4	14.1	15.1	15.9	15.4	15.7	15.6	16.1
Engineering	21.0	22.7	23.5	22.5	21.8	19.8	20.0	18.7	18.4	18.4
Aeronautical/astronautical engineering	1.3	1.6	1.4	1.3	1.0	1.1	0.9	0.9	0.7	0.7
Chemical engineering	2.3	2.5	2.6	2.7	2.8	2.7	2.9	2.8	2.5	2.6
Civil engineering	1.8	1.8	2.1	2.0	2.2	2.0	1.9	2.0	2.1	1.6
Electrical engineering	6.3	6.5	6.9	5.9	6.1	5.1	4.9	4.7	4.3	4.4
Industrial engineering	0.9	0.8	0.8	0.6	0.6	0.6	0.6	0.5	0.4	0.5
Materials/metallurgical engineering	1.9	2.1	2.2	2.3	1.9	1.9	1.8	1.5	1.7	1.9
Mechanical engineering	3.7	4.1	4.1	4.0	3.7	3.2	4.1	3.1	3.1	2.8
Other engineering	2.8	3.4	3.4	3.6	3.5	3.2	3.1	3.3	3.6	3.8
Female U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	93.7	93.1	93.3	94.2	93.4	93.7	93.6	94.1	94.1	93.6
Agricultural sciences	2.3	2.5	2.5	2.6	2.6	2.6	2.8	2.7	2.8	3.2
Biological sciences	25.2	26.2	26.3	25.9	25.5	27.3	28.0	28.0	27.9	29.2
Computer sciences	2.0	1.3	1.3	1.6	1.4	1.1	1.3	1.3	1.2	1.4
Earth, atmospheric, and ocean sciences	1.5	1.7	2.0	2.0	1.8	1.9	2.0	2.4	2.1	2.4
Mathematics	2.2	1.7	2.3	2.6	2.5	2.2	2.1	2.0	2.1	2.1
Physical sciences	8.8	7.7	7.6	7.9	7.3	7.3	7.3	7.9	7.9	7.2
Astronomy	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5
Chemistry	6.9	5.5	5.6	6.1	5.6	5.7	5.7	6.2	5.8	5.4
Physics	1.5	1.7	1.5	1.4	1.2	1.0	1.1	1.3	1.6	1.2
Other physical sciences	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Psychology	33.8	34.8	32.9	33.1	33.7	32.2	31.3	29.6	30.3	28.9
Social sciences	17.8	17.2	18.4	18.5	18.7	19.0	18.8	20.3	19.7	19.2
Engineering	6.3	6.9	6.7	5.8	6.6	6.3	6.4	5.9	5.9	6.4
Aeronautical/astronautical engineering	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.2
Chemical engineering	1.2	1.4	1.0	1.0	1.0	1.4	1.3	1.2	1.1	1.1
Civil engineering	0.6	0.6	0.7	0.8	0.8	0.6	0.9	0.8	1.0	0.9
Electrical engineering	1.3	1.4	1.2	1.0	1.0	1.0	0.7	0.7	0.7	0.8
Industrial engineering	0.4	0.5	0.4	0.3	0.4	0.3	0.4	0.5	0.3	0.3
Materials/metallurgical engineering	0.9	0.8	0.9	0.6	0.8	0.7	0.7	0.7	0.6	0.5
Mechanical engineering	0.5	0.7	0.7	0.6	0.8	0.7	0.5	0.5	0.5	0.7
Other engineering	1.2	1.3	1.5	1.3	1.6	1.4	1.7	1.4	1.6	2.0
Non-U.S. citizen with permanent visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	72.8	73.6	74.0	76.3	75.6	75.2	76.6	76.7	75.8	75.9
Agricultural sciences	3.2	3.7	3.9	4.3	3.3	4.3	2.9	2.7	3.7	3.6
Biological sciences	23.8	27.2	25.7	27.3	28.1	25.8	26.9	27.0	24.1	23.2
Computer sciences	3.8	3.1	3.9	4.2	4.4	4.9	4.4	5.5	5.1	5.0
Earth, atmospheric, and ocean sciences	3.1	2.9	2.8	2.7	2.8	2.1	2.2	3.0	2.8	2.1
Mathematics	6.2	5.3	4.3	4.6	4.0	4.0	4.3	2.7	4.2	5.5
Physical sciences	20.1	16.4	16.0	15.6	14.6	14.3	14.4	13.8	13.8	11.8
Astronomy	0.6	0.4	0.3	0.7	0.4	0.9	0.3	0.4	0.5	0.2
Chemistry	11.0	9.7	9.0	8.9	9.1	8.7	8.1	8.0	8.5	7.0
Physics	8.4	6.2	6.7	5.8	5.1	4.8	5.9	5.3	4.7	4.4
Other physical sciences	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2
Psychology	2.9	3.5	3.9	4.6	4.2	5.3	5.9	6.1	6.4	6.4
Social sciences	9.7	11.7	13.4	13.0	14.2	14.4	15.6	15.9	15.7	18.2

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Engineering	27.2	26.4	26.0	23.7	24.4	24.8	23.4	23.3	24.2	24.1
Aeronautical/astronautical engineering	0.4	0.6	0.6	0.6	0.5	0.7	0.6	0.9	0.9	0.6
Chemical engineering	2.6	2.4	3.9	2.3	2.3	3.1	2.3	2.9	1.8	2.2
Civil engineering	2.9	3.1	3.4	2.5	3.1	2.8	3.7	3.2	2.7	3.4
Electrical engineering	8.2	7.3	8.2	8.2	7.7	8.2	7.4	7.1	8.4	7.9
Industrial engineering	1.2	1.0	0.7	0.8	0.8	0.7	1.2	0.9	1.5	1.4
Materials/metallurgical engineering	3.2	3.1	1.9	2.4	2.1	1.6	1.8	0.9	2.2	1.8
Mechanical engineering	5.1	5.1	3.6	4.1	3.9	3.9	3.3	4.9	4.1	2.8
Other engineering	3.6	3.8	3.7	2.8	3.9	3.8	3.1	2.6	2.6	4.0
Male non-U.S. citizen with permanent visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	67.4	67.4	67.2	70.2	67.9	69.0	69.0	70.4	66.3	66.8
Agricultural sciences	3.5	3.8	4.4	4.0	3.6	4.4	2.6	2.9	2.7	2.9
Biological sciences	18.6	22.0	20.0	23.3	23.7	20.5	21.1	19.8	19.1	18.8
Computer sciences	4.2	3.7	4.8	4.8	5.4	6.2	5.6	6.8	6.3	6.5
Earth, atmospheric, and ocean sciences	3.2	3.5	3.2	2.7	3.0	2.1	2.4	3.5	3.6	2.0
Mathematics	6.7	5.6	4.3	4.9	3.7	4.0	5.1	2.9	4.2	6.0
Physical sciences	20.7	16.7	16.7	16.5	15.2	15.4	16.7	16.8	14.4	12.1
Astronomy	0.7	0.4	0.4	0.8	0.4	1.0	0.3	0.8	0.5	0.2
Chemistry	10.4	8.9	8.3	8.1	8.2	8.3	8.1	8.6	7.4	6.0
Physics	9.6	7.3	8.0	7.4	6.6	5.9	8.2	7.3	6.3	6.0
Other physical sciences	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.0
Psychology	1.4	1.2	1.8	2.4	2.0	3.3	3.1	3.9	3.7	3.3
Social sciences	9.0	10.9	12.0	11.6	11.2	13.0	12.4	13.9	12.4	15.2
Engineering	32.6	32.6	32.8	29.8	32.1	31.0	31.0	29.6	33.7	33.2
Aeronautical/astronautical engineering	0.5	0.8	0.9	1.0	0.9	1.1	0.8	1.4	1.4	1.1
Chemical engineering	2.9	2.8	4.8	2.6	2.7	3.8	2.4	2.9	2.7	2.4
Civil engineering	3.5	4.0	4.3	3.2	4.2	3.8	5.4	4.4	4.1	4.3
Electrical engineering	9.9	9.4	10.3	10.5	10.3	10.2	9.5	9.4	12.4	11.6
Industrial engineering	1.3	1.1	0.9	1.1	1.0	1.0	1.3	0.9	1.9	2.2
Materials/metallurgical engineering	3.5	3.6	2.1	2.6	2.9	1.8	2.2	1.1	2.4	2.4
Mechanical engineering	6.4	6.5	4.8	5.2	5.4	5.1	5.1	7.1	6.1	4.7
Other engineering	4.5	4.5	4.8	3.7	4.9	4.2	4.3	2.6	2.9	4.5
Female non-U.S. citizen with permanent visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	85.7	88.1	87.3	88.6	89.2	86.1	87.3	85.0	86.8	87.0
Agricultural sciences	2.4	3.4	2.8	4.9	2.8	4.1	3.4	2.6	4.9	4.5
Biological sciences	36.3	39.2	36.6	35.5	35.8	35.4	35.0	36.4	29.7	28.7
Computer sciences	2.6	1.5	2.3	3.0	2.5	2.6	2.6	3.8	3.7	2.9
Earth, atmospheric, and ocean sciences	2.9	1.7	2.2	2.8	2.5	2.0	1.9	2.4	2.0	2.2
Mathematics	5.0	4.4	4.4	4.0	4.5	3.7	3.2	2.4	4.1	4.9
Physical sciences	18.5	15.7	14.9	13.6	13.6	12.6	11.2	9.9	13.2	11.4
Astronomy	0.4	0.4	0.1	0.6	0.3	0.6	0.4	0.0	0.4	0.2
Chemistry	12.5	11.7	10.3	10.3	10.6	9.2	8.1	7.1	9.8	8.3
Physics	5.5	3.6	4.1	2.7	2.7	2.8	2.6	2.8	3.0	2.5
Other physical sciences	0.1	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.4
Psychology	6.4	8.6	8.0	9.0	8.2	8.8	9.7	8.9	9.4	10.3
Social sciences	11.5	13.5	16.0	16.0	19.3	16.9	20.2	18.6	19.7	22.0
Engineering	14.3	11.9	12.7	11.4	10.8	13.9	12.7	15.0	13.2	13.0
Aeronautical/astronautical engineering	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.4	0.0
Chemical engineering	1.8	1.7	2.1	1.8	1.7	1.8	2.1	3.0	0.8	2.0
Civil engineering	1.6	1.1	1.7	1.2	1.2	1.2	1.3	1.6	1.2	2.2
Electrical engineering	4.0	2.5	4.1	3.7	3.2	4.7	4.5	4.2	3.7	3.4
Industrial engineering	0.8	0.6	0.4	0.3	0.5	0.2	0.9	0.8	1.0	0.4
Materials/metallurgical engineering	2.5	1.9	1.7	2.1	0.8	1.4	1.3	0.8	2.0	1.1
Mechanical engineering	2.1	1.7	1.2	1.3	1.3	1.8	0.7	2.0	1.8	0.4
Other engineering	1.6	2.3	1.6	1.0	2.2	2.9	1.5	2.6	2.4	3.4

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Non-U.S. citizen with temporary visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	63.9	65.1	66.0	66.8	69.7	68.0	65.0	65.6	65.3	63.8
Agricultural sciences	6.3	6.0	5.5	6.2	6.7	5.8	5.0	5.6	5.1	4.5
Biological sciences	13.9	15.9	17.6	17.2	17.8	18.1	15.6	16.8	16.7	16.0
Computer sciences	5.2	4.8	4.4	4.2	4.6	4.7	4.5	4.5	4.5	5.0
Earth, atmospheric, and ocean sciences	2.3	2.3	2.8	2.5	3.0	2.3	2.6	2.8	2.3	2.4
Mathematics	5.5	5.7	5.9	5.7	6.1	5.8	5.5	5.7	5.2	5.8
Physical sciences	13.3	14.6	14.4	15.5	15.6	15.1	15.3	14.5	14.6	14.8
Astronomy	0.4	0.5	0.5	0.7	0.5	0.5	0.7	0.4	0.4	0.5
Chemistry	7.0	7.8	8.0	8.5	8.6	8.5	8.5	7.8	8.2	7.9
Physics	5.7	6.2	5.9	6.3	6.4	6.0	6.1	6.3	5.9	6.3
Other physical sciences	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Psychology	2.4	2.3	1.8	2.2	2.1	2.1	1.9	2.0	2.3	2.1
Social sciences	15.2	13.6	13.5	13.3	13.9	14.1	14.5	13.5	14.5	13.2
Engineering	36.1	34.9	34.0	33.2	30.3	32.0	35.0	34.4	34.7	36.2
Aeronautical/astronautical engineering	1.3	1.2	1.3	0.9	1.1	1.0	1.1	1.4	1.3	1.3
Chemical engineering	4.5	5.1	4.6	4.8	3.9	4.0	4.2	4.2	4.1	4.0
Civil engineering	4.8	4.7	4.1	4.1	3.5	3.7	3.8	4.5	4.6	4.6
Electrical engineering	10.2	9.6	9.5	9.1	8.8	10.2	11.7	10.7	10.9	11.6
Industrial engineering	1.9	1.5	1.6	1.5	1.5	1.2	1.4	1.7	1.6	1.5
Materials/metallurgical engineering	3.2	2.8	3.2	2.9	2.7	2.4	3.1	2.5	3.1	3.1
Mechanical engineering	6.3	5.6	6.0	5.8	4.9	5.7	6.2	5.8	5.3	5.7
Other engineering	3.9	4.4	3.8	4.0	3.9	3.9	3.5	3.5	3.7	4.5
Male non-U.S. citizen with temporary visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	58.9	60.4	60.8	61.7	65.4	62.9	60.2	60.5	59.9	57.9
Agricultural sciences	6.1	5.6	5.2	6.1	6.5	5.6	4.6	5.5	4.6	3.9
Biological sciences	11.0	12.7	13.7	13.2	14.7	14.4	12.4	13.6	13.1	12.3
Computer sciences	5.6	5.3	4.9	5.1	5.1	5.4	5.2	5.0	5.1	5.6
Earth, atmospheric, and ocean sciences	2.5	2.4	3.0	2.7	3.1	2.2	2.8	3.1	2.3	2.4
Mathematics	5.3	5.7	6.1	6.0	6.5	6.2	5.4	5.6	5.5	5.7
Physical sciences	13.4	14.7	14.4	15.4	15.7	15.6	15.8	14.4	15.2	15.2
Astronomy	0.4	0.6	0.5	0.6	0.5	0.6	0.8	0.5	0.4	0.5
Chemistry	6.6	7.3	7.4	7.6	7.9	8.2	8.0	6.9	7.9	7.3
Physics	6.3	6.8	6.5	7.2	7.2	6.7	7.0	7.0	6.8	7.4
Other physical sciences	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0
Psychology	1.4	1.4	1.0	1.1	1.3	1.2	1.1	1.1	1.2	1.1
Social sciences	13.7	12.7	12.6	12.0	12.6	12.3	12.9	12.2	13.0	11.6
Engineering	41.1	39.6	39.2	38.3	34.6	37.1	39.8	39.5	40.1	42.1
Aeronautical/astronautical engineering	1.6	1.4	1.6	1.1	1.4	1.2	1.3	1.7	1.5	1.6
Chemical engineering	5.1	5.6	5.0	5.2	4.3	4.5	4.3	4.4	4.2	4.3
Civil engineering	5.5	5.4	4.8	4.6	4.1	4.2	4.3	5.1	5.4	5.4
Electrical engineering	11.6	11.0	11.3	10.9	10.3	12.0	13.4	12.8	13.1	13.7
Industrial engineering	2.0	1.6	1.8	1.7	1.7	1.4	1.6	1.9	1.7	1.7
Materials/metallurgical engineering	3.6	3.2	3.5	3.3	2.9	2.7	3.4	2.9	3.3	3.4
Mechanical engineering	7.4	6.6	7.0	7.1	5.8	6.9	7.4	7.0	6.6	7.1
Other engineering	4.3	4.7	4.1	4.4	4.2	4.3	4.0	3.7	4.2	4.9
Female non-U.S. citizen with temporary visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	87.3	84.8	86.1	84.4	84.2	83.8	79.3	80.4	80.3	79.8
Agricultural sciences	7.4	7.5	6.4	6.5	7.4	6.3	6.5	6.0	6.4	6.2
Biological sciences	26.8	29.4	33.1	30.7	28.4	29.7	25.3	26.3	26.6	26.2
Computer sciences	3.4	2.8	2.5	1.3	2.9	2.6	2.4	3.2	3.0	3.4
Earth, atmospheric, and ocean sciences	1.5	1.7	2.0	1.9	2.5	2.4	2.2	2.0	2.3	2.4
Mathematics	6.3	5.5	4.9	4.8	4.7	4.5	5.6	6.2	4.6	5.9
Physical sciences	12.8	13.9	14.7	15.9	15.0	13.5	13.9	14.6	12.9	13.6
Astronomy	0.3	0.4	0.7	1.0	0.4	0.3	0.4	0.2	0.4	0.5

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Chemistry	9.2	9.9	10.1	11.6	10.9	9.3	10.0	10.2	8.9	9.5
Physics	3.1	3.6	3.8	3.2	3.7	3.8	3.3	4.0	3.4	3.4
Other physical sciences	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.1
Psychology	6.8	6.3	5.2	5.8	5.0	5.2	4.3	4.8	5.5	4.8
Social sciences	22.1	17.7	17.2	17.5	18.3	19.7	19.1	17.4	19.0	17.5
Engineering	12.7	15.2	13.9	15.6	15.8	16.2	20.7	19.6	19.7	20.2
Aeronautical/astronautical engineering	0.1	0.3	0.3	0.1	0.3	0.2	0.4	0.5	0.7	0.5
Chemical engineering	1.7	3.0	2.8	3.4	2.7	2.6	4.0	3.8	3.6	3.3
Civil engineering	1.8	2.1	1.4	2.2	1.6	2.0	2.1	2.8	2.5	2.5
Electrical engineering	3.5	3.5	2.4	3.0	3.8	4.7	6.5	4.5	5.0	5.7
Industrial engineering	1.3	0.9	0.7	0.8	0.7	0.8	0.8	1.4	1.4	0.9
Materials/metallurgical engineering	1.2	1.3	2.2	1.7	2.0	1.4	2.5	1.5	2.4	2.0
Mechanical engineering	1.0	1.1	1.9	1.7	1.9	1.9	2.5	2.4	1.9	2.0
Other engineering	2.1	3.1	2.2	2.7	2.9	2.6	2.0	2.8	2.3	3.3
Non-U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	66.9	67.5	67.8	68.7	70.8	69.1	66.6	67.0	66.5	65.0
Agricultural sciences	5.3	5.4	5.1	5.8	6.1	5.6	4.8	5.3	4.9	4.4
Biological sciences	17.2	19.0	19.5	19.3	19.7	19.3	17.2	18.1	17.6	16.7
Computer sciences	4.7	4.3	4.3	4.2	4.5	4.8	4.5	4.7	4.6	5.0
Earth, atmospheric, and ocean sciences	2.6	2.5	2.8	2.6	2.9	2.2	2.6	2.9	2.4	2.4
Mathematics	5.7	5.5	5.5	5.5	5.7	5.5	5.3	5.3	5.1	5.7
Physical sciences	15.5	15.1	14.8	15.5	15.4	15.0	15.2	14.4	14.5	14.5
Astronomy	0.5	0.5	0.4	0.7	0.5	0.6	0.6	0.4	0.4	0.5
Chemistry	8.4	8.4	8.2	8.5	8.7	8.5	8.4	7.8	8.2	7.8
Physics	6.6	6.2	6.1	6.2	6.2	5.8	6.0	6.1	5.7	6.1
Other physical sciences	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Psychology	2.5	2.6	2.3	2.7	2.5	2.6	2.5	2.6	2.8	2.5
Social sciences	13.4	13.1	13.5	13.2	13.9	14.1	14.6	13.9	14.7	13.7
Engineering	33.1	32.5	32.2	31.3	29.2	30.9	33.4	33.0	33.5	35.0
Aeronautical/astronautical engineering	1.0	1.0	1.1	0.9	1.0	0.9	1.0	1.3	1.3	1.2
Chemical engineering	3.9	4.4	4.4	4.3	3.6	3.9	3.9	4.1	3.8	3.8
Civil engineering	4.2	4.3	4.0	3.7	3.4	3.5	3.8	4.3	4.4	4.5
Electrical engineering	9.5	9.0	9.2	8.9	8.6	9.9	11.1	10.2	10.6	11.2
Industrial engineering	1.6	1.3	1.4	1.4	1.4	1.1	1.4	1.6	1.6	1.5
Materials/metallurgical engineering	3.2	2.9	2.9	2.8	2.6	2.2	3.0	2.3	3.0	2.9
Mechanical engineering	5.9	5.4	5.4	5.5	4.7	5.4	5.8	5.7	5.2	5.5
Other engineering	3.8	4.2	3.7	3.7	3.9	3.9	3.5	3.4	3.6	4.4
Male non-U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	61.4	62.2	62.1	63.2	65.8	63.7	61.2	61.5	60.5	58.6
Agricultural sciences	5.3	5.2	5.1	5.7	6.1	5.5	4.4	5.2	4.5	3.8
Biological sciences	13.3	15.0	15.0	15.1	16.1	15.2	13.4	14.2	13.6	12.8
Computer sciences	5.2	4.9	4.9	5.0	5.1	5.5	5.3	5.2	5.2	5.7
Earth, atmospheric, and ocean sciences	2.7	2.7	3.0	2.7	3.1	2.2	2.7	3.2	2.4	2.4
Mathematics	5.7	5.7	5.8	5.8	6.1	5.9	5.4	5.3	5.3	5.8
Physical sciences	15.6	15.2	14.8	15.6	15.6	15.6	15.9	14.7	15.1	15.0
Astronomy	0.5	0.5	0.4	0.6	0.5	0.7	0.7	0.5	0.4	0.5
Chemistry	7.7	7.7	7.6	7.7	8.0	8.2	8.0	7.1	7.9	7.2
Physics	7.3	6.9	6.8	7.2	7.1	6.6	7.1	7.0	6.7	7.3
Other physical sciences	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Psychology	1.4	1.3	1.1	1.4	1.4	1.5	1.3	1.4	1.4	1.2
Social sciences	12.3	12.2	12.5	12.0	12.3	12.4	12.9	12.4	12.9	11.9
Engineering	38.6	37.8	37.9	36.8	34.2	36.3	38.8	38.5	39.5	41.4
Aeronautical/astronautical engineering	1.3	1.2	1.4	1.1	1.3	1.2	1.3	1.6	1.5	1.5
Chemical engineering	4.5	4.9	5.0	4.7	4.0	4.4	4.1	4.2	4.1	4.1
Civil engineering	4.9	5.0	4.7	4.3	4.1	4.1	4.4	5.0	5.3	5.3

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Electrical engineering	11.1	10.6	11.1	10.8	10.3	11.8	13.0	12.5	13.1	13.5
Industrial engineering	1.8	1.5	1.6	1.6	1.6	1.3	1.6	1.8	1.7	1.7
Materials/metallurgical engineering	3.6	3.3	3.2	3.1	2.9	2.6	3.2	2.7	3.3	3.3
Mechanical engineering	7.1	6.6	6.6	6.7	5.7	6.6	7.2	7.0	6.5	6.9
Other engineering	4.3	4.6	4.3	4.2	4.3	4.3	4.1	3.6	4.1	4.9
Female non-U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	86.6	86.0	86.5	85.6	85.5	84.3	81.0	81.3	81.5	80.9
Agricultural sciences	5.1	6.0	5.2	6.0	6.2	5.8	5.8	5.3	6.1	6.0
Biological sciences	31.1	33.1	34.3	32.0	30.4	30.9	27.4	28.4	27.2	26.6
Computer sciences	3.1	2.3	2.4	1.8	2.8	2.6	2.4	3.3	3.2	3.3
Earth, atmospheric, and ocean sciences	2.2	1.7	2.1	2.2	2.5	2.3	2.2	2.1	2.2	2.4
Mathematics	5.7	5.1	4.8	4.6	4.6	4.3	5.1	5.4	4.6	5.7
Physical sciences	15.4	14.6	14.7	15.3	14.7	13.3	13.3	13.6	12.9	13.3
Astronomy	0.4	0.4	0.5	0.9	0.4	0.3	0.4	0.2	0.4	0.5
Chemistry	10.7	10.5	10.2	11.2	10.8	9.3	9.6	9.6	9.1	9.4
Physics	4.2	3.6	3.9	3.0	3.4	3.6	3.2	3.8	3.3	3.3
Other physical sciences	0.1	0.0	0.2	0.1	0.0	0.1	0.2	0.1	0.1	0.1
Psychology	6.6	7.1	6.1	6.7	5.9	5.9	5.5	5.7	6.2	5.6
Social sciences	17.3	16.1	16.8	17.1	18.6	19.1	19.3	17.6	19.1	18.2
Engineering	13.4	14.0	13.5	14.4	14.5	15.7	19.0	18.7	18.5	19.1
Aeronautical/astronautical engineering	0.0	0.3	0.2	0.1	0.2	0.2	0.4	0.4	0.7	0.4
Chemical engineering	1.7	2.5	2.6	3.0	2.4	2.4	3.6	3.6	3.1	3.1
Civil engineering	1.7	1.7	1.5	1.9	1.5	1.8	2.0	2.6	2.2	2.4
Electrical engineering	3.7	3.1	3.0	3.2	3.6	4.7	6.0	4.4	4.7	5.4
Industrial engineering	1.1	0.7	0.6	0.7	0.6	0.7	0.8	1.3	1.3	0.8
Materials/metallurgical engineering	1.8	1.5	2.0	1.8	1.7	1.4	2.2	1.3	2.3	1.9
Mechanical engineering	1.5	1.3	1.7	1.6	1.7	1.9	2.1	2.3	1.9	1.8
Other engineering	1.8	2.8	2.0	2.3	2.7	2.7	1.9	2.8	2.3	3.3
Citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	73.9	75.5	82.9	76.1	77.9	75.0	78.4	81.0	83.5	79.6
Agricultural sciences	1.7	2.6	3.5	3.1	1.6	2.9	5.6	6.1	6.2	4.9
Biological sciences	14.3	15.3	15.9	16.3	15.2	16.9	16.6	20.6	20.3	20.1
Computer sciences	3.0	3.8	4.4	3.1	2.9	3.3	3.5	2.8	3.6	2.9
Earth, atmospheric, and ocean sciences	2.4	3.7	2.5	2.3	2.8	3.0	2.0	2.2	2.1	1.7
Mathematics	6.6	4.1	4.0	4.9	3.0	2.8	3.8	2.6	3.1	2.7
Physical sciences	13.0	16.8	14.1	13.3	15.5	13.3	10.5	11.5	11.1	9.8
Astronomy	0.8	0.1	0.2	0.6	0.4	0.3	0.8	0.3	0.3	0.2
Chemistry	8.5	9.6	8.3	7.3	9.2	8.4	6.1	7.0	7.4	6.1
Physics	3.8	7.0	5.4	5.4	5.9	4.5	3.1	4.1	2.9	3.5
Other physical sciences	0.0	0.0	0.2	0.1	0.0	0.1	0.5	0.1	0.6	0.0
Psychology	15.0	10.8	22.2	18.6	19.8	18.7	20.7	17.9	19.5	25.1
Social sciences	17.9	18.3	16.2	14.5	17.1	14.1	15.7	17.2	17.7	12.4
Engineering	26.1	24.5	17.1	23.9	22.1	25.0	21.6	19.0	16.5	20.4
Aeronautical/astronautical engineering	0.9	1.3	0.6	1.4	1.1	1.1	1.1	0.9	0.8	0.6
Chemical engineering	1.7	0.8	1.1	2.3	1.9	3.0	2.6	3.1	1.3	3.2
Civil engineering	1.9	2.8	1.4	3.0	1.7	1.3	2.0	2.2	1.4	2.1
Electrical engineering	9.0	8.2	5.1	6.7	6.6	9.3	6.7	4.6	4.1	6.8
Industrial engineering	0.8	0.8	0.7	0.6	0.4	0.4	0.6	1.1	0.5	0.4
Materials/metallurgical engineering	2.3	2.0	1.7	1.9	1.3	2.2	1.8	1.8	1.2	1.4
Mechanical engineering	4.3	3.7	2.6	4.3	3.3	2.9	2.5	2.7	3.0	2.1
Other engineering	5.3	5.0	3.9	3.7	5.9	4.8	4.4	2.6	4.2	3.8
Male, citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	71.2	72.7	78.1	69.6	73.2	69.1	71.0	77.7	77.5	73.3
Agricultural sciences	0.7	2.9	3.8	3.8	1.4	3.8	5.9	6.9	5.7	5.4
Biological sciences	11.1	14.2	15.5	15.5	14.1	15.2	15.8	20.6	20.8	20.0

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1995–2004

Characteristic and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Computer sciences	4.5	3.8	4.5	3.1	3.4	4.0	4.2	3.5	4.7	3.2
Earth, atmospheric, and ocean sciences	2.4	3.8	3.2	3.0	3.1	4.0	1.9	3.1	2.5	2.5
Mathematics	9.0	4.1	4.6	5.4	3.7	3.0	4.7	2.9	4.1	3.6
Physical sciences	14.6	17.6	17.6	14.5	19.9	15.6	11.7	14.4	12.4	12.4
Astronomy	1.0	0.2	0.3	0.9	0.8	0.5	0.8	0.2	0.4	0.4
Chemistry	8.3	8.6	9.9	7.1	10.9	9.0	6.6	8.3	7.2	8.0
Physics	5.2	8.8	7.1	6.5	8.3	5.9	3.9	5.7	3.8	4.1
Other physical sciences	0.0	0.0	0.3	0.0	0.0	0.1	0.4	0.1	0.9	0.0
Psychology	13.2	6.3	12.6	10.9	11.7	11.3	10.9	10.0	10.8	14.1
Social sciences	15.6	19.9	16.3	13.4	16.0	12.3	15.9	16.4	16.5	12.1
Engineering	28.8	27.3	21.9	30.4	26.8	30.9	29.0	22.3	22.5	26.7
Aeronautical/astronautical engineering	1.0	1.8	0.7	2.2	1.4	1.1	1.5	1.0	1.2	0.7
Chemical engineering	2.8	1.1	1.3	2.8	2.5	4.0	2.8	3.2	1.8	3.8
Civil engineering	1.4	3.8	2.0	3.9	2.6	1.3	2.8	2.5	1.9	2.5
Electrical engineering	9.0	7.9	7.3	8.3	7.7	11.8	9.8	5.7	5.6	9.0
Industrial engineering	0.3	0.9	1.0	0.8	0.6	0.3	0.5	0.7	0.3	0.5
Materials/metallurgical engineering	2.8	1.6	2.2	2.4	1.4	3.0	2.7	2.3	1.8	2.0
Mechanical engineering	5.2	3.6	3.6	5.0	3.8	3.9	3.4	3.7	4.4	3.3
Other engineering	6.3	6.5	3.9	4.9	6.9	5.5	5.4	3.2	5.6	5.0
Female, citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	86.4	87.5	93.6	88.6	89.8	88.9	90.3	87.7	96.6	90.3
Agricultural sciences	3.2	3.3	3.3	2.4	1.1	1.3	4.0	4.0	6.5	3.7
Biological sciences	18.4	17.9	16.7	18.2	17.1	20.6	17.7	22.4	21.2	20.7
Computer sciences	0.0	3.3	2.8	3.1	1.1	1.8	2.2	1.4	2.4	2.1
Earth, atmospheric, and ocean sciences	3.2	2.7	1.6	1.2	2.5	0.8	2.2	1.0	1.4	0.7
Mathematics	2.4	1.6	2.6	3.3	2.2	2.8	2.6	2.0	1.7	1.5
Physical sciences	8.0	12.5	9.9	10.2	8.3	9.5	8.4	6.9	8.9	5.2
Astronomy	0.8	0.0	0.2	0.0	0.0	0.0	0.9	0.4	0.0	0.0
Chemistry	7.2	9.8	6.8	6.9	7.2	7.3	5.1	5.2	7.7	2.6
Physics	0.0	2.7	2.6	3.3	1.1	2.3	1.8	1.2	1.0	2.6
Other physical sciences	0.0	0.0	0.2	0.0	0.0	0.0	0.7	0.0	0.2	0.0
Psychology	31.2	27.7	41.9	33.9	37.8	34.4	37.7	32.1	34.9	44.0
Social sciences	20.0	18.5	14.8	16.4	19.6	17.8	15.5	17.9	19.7	12.3
Engineering	13.6	12.5	6.4	11.4	10.2	11.1	9.7	12.3	3.4	9.7
Aeronautical/astronautical engineering	0.8	0.5	0.0	0.2	0.6	0.8	0.4	0.6	0.0	0.4
Chemical engineering	0.0	0.0	0.5	0.9	1.1	0.8	2.0	2.8	0.2	2.4
Civil engineering	0.8	0.5	0.2	0.7	0.6	0.8	0.7	1.6	0.2	1.3
Electrical engineering	7.2	6.0	1.9	3.1	3.3	3.5	2.0	1.8	0.7	2.6
Industrial engineering	0.0	1.1	0.2	0.5	0.0	0.5	0.4	1.6	0.0	0.2
Materials/metallurgical engineering	0.8	0.5	0.2	0.7	0.3	0.8	0.4	1.0	0.5	0.6
Mechanical engineering	1.6	1.1	0.9	3.3	1.4	1.3	0.9	1.0	0.2	0.4
Other engineering	2.4	2.7	2.4	1.9	3.0	2.8	2.9	1.8	1.4	1.9

NOTES: Persons whose sex is unknown are included in totals but are not shown separately. Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.